

09478500 QUEEN CREEK BELOW WHITLOW DAM NEAR SUPERIOR, AZ

LOCATION--Lat 33°17'57", long 111°16'37", in NW_{1/4}SE_{1/4} sec. 36, T.1 S., R.10 E., Pinal County, Hydrologic Unit 15050100, 1 mi upstream from Queen Valley and 10 mi west of Superior. Gage is located on the outlet box structure below Whitlow Ranch Dam.

DRAINAGE AREA--144 mi².

PERIOD OF RECORD--Jan. 1896 to Dec. 1897, Jan. 1898 to Aug. 1899 (fragmentary), Feb. to Sept. 1915 (gage-heights only), Oct. 1915 to Sept. 1920, May 1948 to Jan. 1959. Apr. 2001 to current year. Published as "at Whitlow's Ranch" 1896-99, "near Superior" 1915-20 and as "at Whitlow Dam Site near Superior" 1948-59.

GAGE--Water-stage recorder. Elevation of gage is 2,040 ft above sea level, from topographic map. From Jan. 25, 1896, to Aug. 11, 1899, and Feb. 14, 1915 to Sept. 30, 1920, staff gages were operated in the vicinity of the present gage at different datums. Stilling-well gages were operated from May 1, 1948, to Aug. 19, 1954, and Jan. 6, 1955, to Jan. 1959 at sites about 1,100 ft and 800 ft upstream and datums of 2,048.96 and 2,045.70 ft above mean sea level, respectively.

REMARKS--Records poor.

EXTREMES FOR PERIOD OF RECORD--1915-20, 1948-59: Maximum discharge, 42,900 ft³/s Aug. 19, 1954. No flow at times in each year. 2001-present: Maximum discharge, 825 ft³/s Feb. 13, 2005. Minimum daily discharge, 0.29 ft³/s Aug. 2, 2004.

EXTREMES FOR CURRENT YEAR--Maximum discharge, 825 ft³/s Feb. 13. Minimum daily discharge, 0.87 ft³/s Oct. 4-6 (estimated), Oct. 8, Nov. 30-Dec. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.88	e1.1	0.87	1.9	2.8	24	6.9	e5.7	4.7	4.1	e3.9	e3.5
2	e0.88	e1.1	0.87	2.1	2.8	20	7.0	e5.7	4.8	4.0	4.0	e3.4
3	e0.88	e1.1	0.87	62	2.8	16	7.0	5.7	4.9	3.9	4.0	e3.4
4	e0.87	e1.1	0.89	437	2.8	15	6.8	e5.7	5.0	3.8	4.1	e3.4
5	e0.87	e1.1	0.93	427	2.8	41	6.9	e5.7	5.0	3.8	4.0	e3.4
6	e0.87	e1.1	0.96	7.8	2.8	66	7.0	e5.7	4.7	3.8	4.0	e3.4
7	e0.88	e1.1	1.1	2.8	2.8	53	6.9	e5.6	4.7	3.8	3.9	e3.3
8	0.87	e1.1	1.1	2.9	2.8	34	6.7	e5.6	4.8	3.8	3.9	e3.3
9	0.91	e1.1	1.1	3.2	2.8	25	6.5	e5.6	4.9	3.8	30	e3.3
10	1.1	e1.1	1.1	3.2	3.1	20	6.4	e5.6	4.9	3.8	11	e3.3
11	1.1	e1.1	1.1	3.2	16	16	6.3	e5.7	4.7	e3.8	3.6	e3.2
12	1.1	e1.1	1.4	3.2	748	14	6.3	e5.6	4.3	e3.8	123	e3.2
13	0.99	1.2	1.5	3.1	820	14	e6.3	e5.6	4.2	3.7	29	e3.2
14	1.1	1.2	1.5	e3.1	817	13	e6.3	e5.6	4.3	3.7	3.8	e3.1
15	1.1	1.2	1.7	e3.1	807	11	e6.2	e5.6	4.3	e3.7	3.6	e3.1
16	1.1	0.98	1.7	e3.1	778	9.6	e6.2	e5.7	4.4	e3.7	e3.7	e3.1
17	1.1	1.1	1.7	e3.1	708	6.5	6.2	5.6	4.5	e3.7	e3.6	e3.1
18	1.3	1.1	1.7	e3.1	337	9.3	6.1	5.7	4.6	e3.7	e3.7	3.1
19	1.1	1.1	1.7	e3.0	122	9.1	6.0	5.9	4.6	e3.7	e3.7	2.7
20	e1.1	1.1	1.7	3.0	258	8.6	5.9	e5.6	4.6	e3.7	e3.6	2.8
21	e1.1	1.1	1.7	3.0	104	8.5	6.0	e5.5	4.8	e3.7	e3.6	2.9
22	e1.1	1.1	1.7	3.0	289	8.3	6.0	5.5	5.0	e3.7	e3.6	2.9
23	e1.1	1.1	1.7	2.9	152	7.3	e6.0	5.4	4.8	3.7	e3.6	3.0
24	e1.1	0.99	1.7	2.8	92	7.3	e6.0	5.2	5.0	3.7	e3.6	2.9
25	e1.1	1.0	1.7	2.8	66	e7.3	e6.0	5.1	4.8	3.7	e3.5	2.7
26	e1.1	1.0	1.7	e2.9	49	e7.3	e5.9	5.0	4.3	3.7	e3.5	2.7
27	e1.1	1.1	1.7	e2.9	35	e7.3	e5.9	5.0	4.2	3.7	e3.5	2.7
28	e1.1	1.1	1.8	2.9	30	e7.2	e5.8	5.0	4.2	3.7	e3.5	2.8
29	e1.1	0.94	22	2.9	---	e7.2	5.7	5.1	4.2	e3.8	e3.5	2.7
30	e1.1	0.87	3.9	2.8	---	e7.2	e5.7	5.0	4.1	e3.8	e3.5	2.7
31	e1.1	---	1.7	2.9	---	7.1	---	5.0	---	e3.8	e3.5	---
TOTAL	32.20	32.48	66.79	1012.7	6256.3	507.1	188.9	170.0	138.3	116.8	293.0	92.3
MEAN	1.04	1.08	2.15	32.7	223	16.4	6.30	5.48	4.61	3.77	9.45	3.08
MAX	1.3	1.2	22	437	820	66	7.0	5.9	5.0	4.1	123	3.5
MIN	0.87	0.87	0.87	1.9	2.8	6.5	5.7	5.0	4.1	3.7	3.5	2.7
MED	1.1	1.1	1.7	3.0	58	9.6	6.2	5.6	4.7	3.7	3.7	3.1
AC-FT	64	64	132	2010	12410	1010	375	337	274	232	581	183
CFSM	0.01	0.01	0.01	0.23	1.55	0.11	0.04	0.04	0.03	0.03	0.07	0.02

CAL YR 2004 TOTAL 857.99 MEAN 2.34 MAX 217 MIN 0.29 MED 1.1 AC-FT 1700 CFSM 0.02
WTR YR 2005 TOTAL 8906.87 MEAN 24.4 MAX 820 MIN 0.87 MED 3.7 AC-FT 17670 CFSM 0.17

e Estimated